

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - SENIOR ASSISTANT ENGINEER/ASSISTANT ENGINEER (POWER)				
<b>Sector</b>	Public Transport			
<b>Track</b>	Rail Engineering			
<b>Sub-Track</b>	Power			
<b>Occupation</b>	Rail Engineer			
<b>Job Role</b>	<b>Senior Assistant Engineer/Assistant Engineer (Power)</b>			
<b>Job Role Description</b>	<p>The Senior Assistant Engineer/Assistant Engineer (Power) supervises his/her team in performing preventive and corrective maintenance work on rail power systems. He also proposes workflow improvements to improve the maintenance regime of the rail power systems, manages the team's performance in achieving established Key Performance Indicators (KPIs), as well as ensuring the safety and work quality of external contractors and/or stakeholders.</p> <p>He is required to work in shifts and carries out his duties at various rail premises such as power plants, train tracks and train tunnels. He is meticulous in implementing workplace safety measures and ensuring that the team carries out the maintenance work in a safe and orderly manner. He possesses good supervision planning skills to lead his work team.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Maintain power systems	<b>Key Tasks</b>	
			Supervise the execution of power systems preventive maintenance work	
			Supervise the execution of power systems corrective maintenance work	
			Perform complex fault analysis and testing of power system	
			Isolate low voltage (LV) and direct current (DC) power supply equipment prior to the execution of maintenance activities	
			Restore LV and DC power supply equipment upon completion of maintenance activities	
	Support maintenance activities and operational requirements		Supervise and facilitate the work of contractors and stakeholders external to the power team to ensure safety requirements, operating standards and quality standards are met	
			Track the quantity of supplies required for maintenance activities at work base	
			Validate inspection and maintenance documents	
			Ensure workplace adherence to Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work	
	Support continuous improvement activities to enhance service reliability		Ensure workplace adherence with the Rapid Transit System (RTS) Codes of Practice	
			Propose workflow improvements to enhance the reliability and efficiency of power systems	
	Manage people and team performance		Carry out engineering improvement activities to enhance the reliability of rail power systems	
			Plan work activities and manpower allocation	
		Perform on-the-job coaching		
		Manage team's performance in achieving Key Performance Indicators (KPIs)		
<b>Skills &amp; Competencies</b>	<b>Technical Skills &amp; Competencies</b>		<b>Generic Skills &amp; Competencies (Top 5)</b>	
	Asset Management	Level 3	Communication	Intermediate
	Condition-based Assets Monitoring Management	Level 2	Leadership	Intermediate
	Continuous Improvement Management	Level 3	Teamwork	Intermediate
	Data and Statistical Analytics	Level 3	Problem Solving	Basic
	Equipment Maintenance and Housekeeping	Level 2	Interpersonal Skills	Intermediate
	High Voltage Power Systems Maintenance	Level 3		
	Innovation Management	Level 3		
	Inventory Management	Level 3		
	Low Voltage Power Systems Maintenance	Level 3		
	Maintenance Scheduling	Level 3		
	Manpower Planning and Deployment	Level 3		
	People Development	Level 3		
	Rail Regulatory Compliance	Level 3		
	Report Writing	Level 2		
	Staff Performance Management	Level 3		
	Vendor Management	Level 2		

	Work at Heights	Level 3	
	Workplace Facilities Safety Management	Level 3	
	Workplace Safety and Health Culture Development	Level 3	
	Workplace Safety and Health for Confined Spaces	Level 3	
	Workplace Safety and Health for Electrical Safety	Level 2	
	Workplace Safety and Health for Fire Prevention and Fire Fighting	Level 2	
	Workplace Safety and Health for Incident and Accident Investigation	Level 3	
<b>Programme Listing</b>	For a list of Training Programmes available for the Public Transport sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/public-transport">www.skillsfuture.sg/skills-framework/public-transport</a>		

The information contained in this document serves as a guide.